

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 03/15546A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06F1/00 H04L29/06 H04L12/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04L G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99 57625 A (PRC INC ;HUFF JULIE LYNN (US); JACKSON SHEILA ANN (US); SHELANSKEY) 11 November 1999 (1999-11-11)	1-4, 6-17, 22-25, 27-35, 37-41
Y	abstract page 4, line 7 -page 6, line 2 page 12, line 1 - line 29 page 15, line 23 - line 28 page 17, line 8 - line 29 page 18, line 1 - line 11 page 18, line 29 -page 19, line 13 page 20, line 2 -page 21, line 13 figures 3,4 --- -/-	5,18,19, 26,36

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
9 September 2003	16/09/2003
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Horn, M.P.

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00 70464 A (L 3 COMM CORP) 23 November 2000 (2000-11-23) abstract	1-19, 22-41
Y	page 2, line 11 - line 21 page 4, line 18 -page 11, line 2 page 8, line 1 - line 10 page 9, line 21 - line 29 ---	5,18,19, 26,36
A	US 6 275 942 B1 (LETSINGER RICHARD ET AL) 14 August 2001 (2001-08-14) abstract column 2, line 35 -column 3, line 20 column 4, line 12 -column 13, line 19 column 14, line 46 -column 15, line 22 figure 1 ---	1-41
A	US 6 070 244 A (ARDITO DARIO ET AL) 30 May 2000 (2000-05-30) abstract column 1, line 50 -column 2, line 67 column 3, line 51 -column 15, line 5 figures 2,3A,3B,4A-I ---	1-41
A	WO 00 54458 A (ROWLAND CRAIG ;PSIONIC SOFTWARE INC (US)) 14 September 2000 (2000-09-14) abstract page 6, line 4 - line 23 page 7, line 6 -page 17, line 11 figures 5-7,9,10 ---	1-41
A	US 2002/052876 A1 (WATERS GLENN) 2 May 2002 (2002-05-02) abstract paragraph '0021! - paragraph '0029! ---	20,21

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 9957625	A	11-11-1999	US	6408391 B1		18-06-2002
			AU	3768899 A		23-11-1999
			CA	2331566 A1		11-11-1999
			GB	2353885 A ,B		07-03-2001
			GB	2381353 A ,B		30-04-2003
			GB	2381911 A ,B		14-05-2003
			WO	9957625 A1		11-11-1999
WO 0070464	A	23-11-2000	AU	4833300 A		05-12-2000
			AU	4833400 A		05-12-2000
			WO	0070463 A1		23-11-2000
			WO	0070464 A1		23-11-2000
US 6275942	B1	14-08-2001	AU	7586998 A		06-12-1999
			WO	9960462 A1		25-11-1999
US 6070244	A	30-05-2000	NONE			
WO 0054458	A	14-09-2000	US	6405318 B1		11-06-2002
			AU	3737400 A		28-09-2000
			WO	0054458 A1		14-09-2000
US 2002052876	A1	02-05-2002	AU	1071300 A		22-05-2000
			CA	2348490 A1		11-05-2000
			EP	1145498 A2		17-10-2001
			WO	0026806 A2		11-05-2000